

Attachment # 10

FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	ATTORNEY DOCKET NO.	SERIAL NO.
	4115-161	09/878,454
	APPLICANT	
	Monterio, et al.	
	FILING DATE	GROUP
	June 11, 2001	



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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

AA	Blacker, D., M.A. Wilcox, N.M. Laird, L. Rodes, S.M. Horvath, R.C. Go, R. Perry, B.J. Watson, 5.5 Bassett, M.G. McInnis, et al. 1998. Alpha-2 macroglobulin is genetically associated with Alzheimer disease. <i>Nat. Gene.</i> 19:357-360
AB	Buscigho, J., H. Harmann, A. Lorenzo, C. Wong, K. Baumarn, B. Sommer, M. Staufienbiel, and B.A. Yanlcnner. 1997. Neuronal localization of presenilin-1 and association with amyloid plaques and neurofibrillary tangles in AD. <i>J Neurosci.</i> 17:5101-5107
AC	Capell, A., R. Saffrich, J.C. Olivo, L. Meyn, J. Walter, J. Orunberg, P. Mathews, R. Nixon, C. Dotti, and C. Haass. 1997. Cellular expression and proteolytic processing of presenilin proteins is developmentally regulated during neuronal differentiation. <i>J Neurochem.</i> 69:2432-2440
AD	Caulin, C., G.S. Salvesen, and R.G. Oshima. 1997. Caspase cleavage of keratin 18 and reorganization of intermediate filaments during epithelial cell apoptosis. <i>J Cell Biol.</i> 138:1379-1394
AE	Corder, E.H., A.M. Saunders, W.J. Strittmatter, D.F. Schmechel, P.C. Gaskell, G.W. Small, A.D. Roses, J.L. Haines, and M.A. Pericak-Vance. 1993. Gene dose apolipoprotein E type 4 allele and the risk of AD in late onset families. <i>Science</i> 261:921-923
AF	Deng, G., C.J. Pike, and C.W. Cotman. 1996. Alzheimer-associated presenilin-2 confers increased sensitivity to apoptosis in PC12 cell. <i>FEBS Letts.</i> 397:50-54
AG	Dewji, N.N., C. Do, and S.J. Singer. 1997. On the spurious endoproteolytic processing of the presenilin proteins in cultured cells and tissues. <i>Proc. Natl Acad Sci.</i> 94:14031-14036
AH	Dewji, N.N., and S.J. Singer. 1997. Cell surface expression of the Alzheimer disease-related presenilin proteins. <i>Proc. Natl. Acad Sci. USA</i> 94:9926-9931
AI	Golemis, E., J. Gynris, and R. Brent. 1996. Interaction trap/two-hybrid system to identify interacting proteins. <i>In Current Protocols in Molecular Biology</i> , R. B. F.A. Ausubel, R.E. Kingston, D.D. Moore, J.G. Seidman, J.A. Smith, K. Struhl, ed. (New York: John Wiley & Sons), pp. 20.1.1-20.1.28
AJ	Guo, Q., K. Furukawa, B.L. Sopher, D.G. Pham, J. Xie, N. Robinson, G.M. Martin, and M.P. Mattson. 1996. Alzheimer's PS-1 mutation perturbs calcium homeostasis and sensitizes PC 12 cells to death induced by amyloid β peptide. <i>Neuroreport</i> 8:379-383

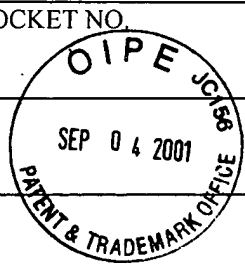
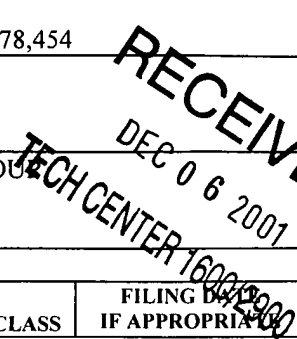
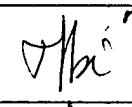
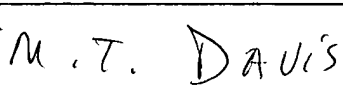
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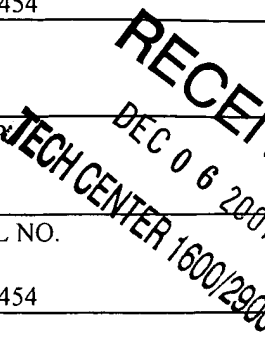

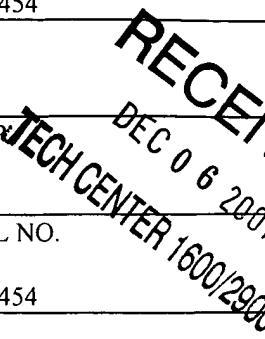
EXAMINER M. T. DAVIS	DATE CONSIDERED 01/21/03
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INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)				APPLICANT Monterio, et al.		GROUP	
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OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
✓	AK	Guo, Q., B.L. Sopher, K. Furukawa, D.G. Pham, N. Robinson, G.M. Martin, and M.P. Mattson. 1997. Alzheimer's presenilin mutation sensitizes neural cells to apoptosis induced by trophic factor withdrawal and amyloid beta-peptide: involvement of calcium and oxyradicals. <i>J Neurosci.</i> 17:4212-4222					
✓	AL	Guo, Q., N. Robinson, and M. Mattson. 1998. Secreted β -amyloid precursor protein counteracts the proapoptotic action of mutant presenilin-1 by activation of NF- κ B and stabilization of calcium homeostasis. <i>J Biol. Chem.</i> 273:12341-12351					
✓	AM	Guo, Q., S. Christakos, N. Robinson, and M.P. Mattson. 1998. Calbindin D28k blocks the proapoptotic actions fo mutant presenilin 1: reduced oxidative stress and preserved mitochondrial function. <i>Proc. Natl. Acad. Sci. USA</i> 95:3227-3232					
✓	AN	Haass, C. 1997. Presenilins: Genes for life and death. <i>Neuron</i> 18:687-690					
✓	AO	Hardy, J. 1997. Amyloid, the presenilins and Alzheimer's disease. <i>TINS</i> 20:155-159					
✓	AP	Janicki, S., and M.J. Monteiro. 1997. Increased apoptosis arising from increased expression of the Alzheimer's disease-associated presenilin-2 mutation (N141I). <i>J Cell Biol.</i> 139:485-495					
✓	AQ	Janicki, S., and M.J. Monteiro. 1999. Presenilin overexpression arrests cells in the G1 phase of the cell cycle: arrest potentiated by the Alzheimer's disease PS2(N141I) mutant. <i>Am. J Pathol.</i> 155, 135-144					
✓	AR	Janicki, S.M., S.M. Stabler, and M.J. Monteiro. 2000. Familial Alzheimer's disease presenilin-1 mutants potentiate cell cycle arrest. <i>Neurobiol Aging.</i> 21:829-836					
✓	AS	Keller, J.N., Q. Guo, F.W. Holtsberg, A.J. Bruce-Keller, and M.P. Mattson. 1998 Increased sensitivity to mitochondrial toxin-induced apoptosis in neural cells expressing mutant presenilin-1 is linked to perturbed calcium homeostasis and enhanced oxyradical production. <i>J Neurosci.</i> 18:4439-4450					
✓	AT	Kim, T.W., W.R. Pettingell, Y.K. Jung, D.M. Kovacs, R.E. Tanzi. 1997. Alternative cleavage of Alzheimer-associated presenilins during apoptosis by a caspase-3 family protease. <i>Science</i> 277:373-376					
✓	AU	Kobayashi, M., K. Takamatsu, S. Saitoh, and T. Noguchi. 1993. Myristoylation of hippocalcin is linked to it calcium-dependent membrane association properties. <i>J. Biol. Chem.</i> 268(25): 18898-18904					
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	<input checked="" type="checkbox"/> AV	Kovacs, D.M., H.J. Fausett, K.J. Page, T.W. Kim, W.D. Moir, D.E. Merriam, R.D. Hollister, O.G. Hallmark, R. Mancini, K.M. Felsenstein, et al. 1996. Alzheimer-associated presenilins 1 and 2: neuronal expression in brain and localization to intracellular membranes in mammalian cells. <i>Nature Med</i> 2:224-229					
	<input checked="" type="checkbox"/> AW	Lee, M.K., Z. Xu, P.C. Wong, and D.W. Cleveland. 1993. Neurofilaments are obligate heteropolymers <i>in vivo</i> . <i>J. Cell Biol.</i> 122:1337-1350					
	<input checked="" type="checkbox"/> AX	Leissring, M.A., Parker, I. And LaFerla, F.M. 1999. Presenilin-2 mutations modulate amplitude and kinetics of inositol 1, 4,5-trisphosphate-mediated calcium signals. <i>J Biol. Chem.</i> 274, 32535-32538					
	<input checked="" type="checkbox"/> AY	Li, J., M. Xu, H. Thou, J. Ma, and H. Potter. 1997. Alzheimer presenilins in the nuclear membrane, interphase kinetochores, and centrosomes suggest a role in chromosome segregation. <i>Cell</i> 90:917-927					
	<input checked="" type="checkbox"/> AZ	Loetscher, H., U. Deuschle, M. Broclhaus, D. Reinhardt, P. Nelboeck, J. Mous, J. Grunberg, C. Haass, H. Jacobsen. 1997. Presenilins are processed by caspase-type proteases. <i>J. Biol. Chem.</i> 272(33):20655-20659					
	<input checked="" type="checkbox"/> BA	Mical, T.I., and M.J. Monteiro. 1998. The role of sequences unique to nuclear intermediate filaments in the targeting and assembly of human lamin B: Evidence for lack of interaction of lamin B with its putative receptor. <i>J Cell Sci.</i> 111:3471-3485					
	<input checked="" type="checkbox"/> BB	Monteiro, M.J., C. Hicks, L. Gu, and S. Janicki. 1994. Determinants for intracellular sorting of cytoplasmic and nuclear intermediate filaments. <i>J Cell Biol</i> 127:1327-1343					
	<input checked="" type="checkbox"/> BC	Monteiro, M.J., and T. Mical. 1996. Resolution of Kinase activities during the HeLa cell cycle: Identification of kinases with cyclic activities. <i>Exp. Cell Res.</i> 223:443-451					
	<input checked="" type="checkbox"/> BD	Montoya, S.F., C.F. Aston, S.T. DeKosky, M. Ilyas Kamboh, J.S. Lazo, and R.E. Ferrell. 1998 Bleomycin hydrolase is associated with risk of sporadic Alzheimer's disease. <i>Nature Genet.</i> 18:211-212					
	<input checked="" type="checkbox"/> BE	Naik, U.P., P.M. Patel, and L.V. Parise. 1997. Identification of a novel calcium-binding protein that interacts with the integrin alphaIIb cytoplasmic domain. <i>J Biol. Chem.</i> 272:4651-4654					
	<input checked="" type="checkbox"/> BF	Olshevskaya, E.V., R.E. Hughes, J.B. Hurley, and A.M. Dizhoor. 1997. Calcium-binding, but not a calcium-myristoyl switch, controls the ability of guanylyl cyclase-activating protein GCAP-2 to regulate photoreceptor guanylyl cyclase. <i>J Biol. Chem.</i> 272:14327-14333					
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EXAMINER <div style="font-family: cursive; font-size: 1.2em; margin-left: 100px;">M.T. Davis</div>					DATE CONSIDERED <div style="font-family: cursive; font-size: 1.2em; margin-left: 100px;">01/21/03</div>		
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	BG	Pack-Chung, E., Myers, M.B., Pettingell, W.P., Cheng, I., Moir, R.D., Brownawell, A.M., Tanzi, R.E., and Kim, T.W., 2000. Presenilin 2 interacts with sorcin, a modulator of the ryanodine receptor. <i>J Biochem.</i> 275:14440-14445					
	BH	H. Payami, G.D. Schellenberg, S., Zarepari, J. Kay, G.J. Sexton, M.A., Head, S.S. Matsuyama, L.F. Jarvik, B. Miller, D.Q. McManus, et al., 1997. Evidence for association of HLA-A2 allele with onset age of Alzheimer's disease. <i>Neurology.</i> 49:512-518					
	BI	Pericak-Vance, M.A., M.P. Bass, L.H. Yammaoka, P.C. Gaskell, W.K. Scott, R.A. Terwedow, M.M. Menold, P.M. Conneally, G.W. Small, J.M. Vance, et al. 1997. Complete genomic screen in late-onset familial Alzheimer disease. Evidence for a new locus on chromosome 12. <i>JAMA</i> 278:1237-1241					
	BJ	Peruz-Tur, J., S. Froelich, G. Prihar, R. Crook, M. Baker, K. Duff, M. Wragg, F. Busfield, C. Lendon, R.F. Clark et al. 1995. A mutation in Alzheimer's disease destroying a splice acceptor site in the presenilin-1 gene. <i>Neuroreport</i> 7:297-301					
	BK	Reynolds, A., and V. Lundblad. 1989. Yeast vectors and assays for expression of cloned genes in Current Protocols in Molecular Biology, R.B. F.A. Ausubel, R.E. Kingston, D.D. Moore, J.G. Seidman, J.A. Smith, K. Struhl, ed. (New York: John Wiley & Sons), pp. 13.6.1-13.6.4					
	BL	Stabler, Stacy M., Identification and Characterization of Calmyrin, a Presenilin 2 Interactor that Modulates Calcium Signaling and Apoptosis. PhD. Dissertation, April 2001					
	BM	Smine, A., X. Xu, K. Nishiyama, T. Katada, P. Gambetti, S.P. Yadav, X. Wu, Y.C. Shi, S. Yasuhara, V. Homburger, and T. Okamoto. 1998. Regulation of brain G-protein Go by Alzheimer's disease gene presenilin-1. <i>J Biol. Chem.</i> 273:16281-16288					
	BN	Thinakaran, G., D.R. Borchelt, M.K. Lee, H.H. Slunt, L. Spitaer, G. Kim, T. Ratovitsky, F. Davenport, C. Nordstedt, M. Seeger, et al. 1996. Endoproteolysis of presenilin 1 and accumulation of processed derivatives <i>in vivo</i> . <i>Neuron</i> 17:181-190					
	BO	Vito, P., E. Lacana, and L.D. D'Adamio. 1996a. interfering with apoptosis: Ca ²⁺ -binding protein ALG-2 and Alzheimer's disease gene ALG-3 <i>Science</i> 271:521-525					
	BP	Vito, P., B. Wolozin, J.K. Ganjei, K. Iwasaki, B. Lacana, and L.D. D'Adamio. 1996b. Requirement of the familial Alzheimer's disease gene P52 for apoptosis. <i>J Biol Chem.</i> 271:31025-31028					
	BQ	Vito, P., et al. 1997. Generation of anti-apoptotic presenilin-2 polypeptides by alternative transcription, proteolysis, and caspase-3 cleavage. <i>J Biol. Chem.</i> 272:28315-28320					
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✓	BR	Wilcox, C., J.S. Hu, and E.N. Olson. 1987. Acylation of proteins with myristic acid occurs cotranslationally. <i>Science</i> 238:1275-1278					
	BS	Wolozin, B., P. Alexander, and J. Palacino. 1998. Regulation of apoptosis by presenilin 1. <i>Neurobiol. Aging</i> 19:S23-S27					
	BT	Wolozin, B., K. Iwasaki, P. Vito, J.K. Ganjei, B. Lacana, T. Sunderland, B. Zhao, J.W. Kusiak, Wasco, W., and L. D'Adamio. 1996. Participation of presenilin 2 in Apoptosis: enhanced basal activity conferred by an AD mutation. <i>Science</i> 274:1710-1713					
	BU	Woo, R.A., K.G. McLure, S.P. Lees-Miller, D.E. Rancourt, P.W.K. Lee. 1998. DNA-dependent protein kinase acts upstream of p53 in response to DNA damage. <i>Nature</i> 394:700-704					
	BV	Wu, J.M., Y. Chen, S.M.L. Perruccio, M. Adbel-Ghany, and T.H. Carter. 1993. Phosphorylation of protein tau by double-stranded DNA-dependent protein kinase. <i>Biochem. Biophys. Res. Commun.</i> 193(1):13-18					
	BW	Ye, Y., and M.E. Fortini. 1998. Characterization of Drosophila Presenilin and its colocalization with Notch during development. <i>Mech. Dev.</i> 79:199-211					
	BX	Lessring, M.A., B.A. Paul, I. Parker, C.W. Cotman, and F.M. LaFerla. 1999. Alzheimer's presenilin-1 mutation potentiates inositol 1,4,5-trisphosphate-mediated calcium signaling in <i>Zenopus</i> oocytes. <i>J Neurochem.</i> 72:1061-1068					
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